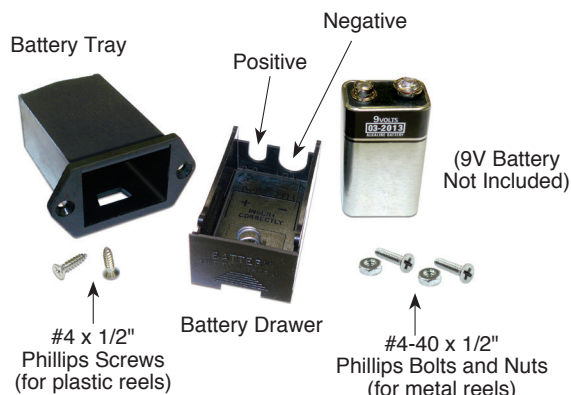


Tools and Materials Needed

1. Replacement Battery Drawer Assembly (#103559), includes:
 - Single 9 Volt Battery Tray/Drawer (#103308)
 - 2 x #4 x 1/2" Phillips Screws (#101712) for plastic reels
 - 2 x #4-40 x 1/2" Phillips Bolts (#100103) and 2 x #4-40 Nuts #102154 for metal reels
2. Phillips Screwdriver
3. #4-40 Wrench (for metal reels)
4. Wire Cutters and Strippers (if required)
5. Soldering Wire and Iron (if required)



Instructions

1. Remove the battery drawer from the faceplate.

Note: To remove the battery drawer, press the drawer in, lift then pull. The battery drawer should slide out of the faceplate enough to pull it out and remove.

2. Undo the three screws from the front of the faceplate and remove the faceplate from the reel.
3. For the Mk2 107 TLC Meter, 122 Interface Meter, and Mk1 101/102 Water Level Meters, undo the Molex connector that connects the faceplate electronics to the tape.
4. For the Mk3 107 and Mk2 101/102, press down on the white terminals of the push-release fittings on the circuit board and pull to remove the tape/cable leads. **Note how they are connected.**
5. For the Mk2 107, 122, and Mk1 101/102, cut the red and black wires from the back of the battery tray close to the terminals.

Note: Model 122 P8 Interface Meters have two black wires connected to the battery tray.

6. For the Mk3 107 and Mk2 101/102, simply pull to remove the red and black wires from the terminals on the battery tray.
7. Undo the two screws (and nuts for metal reels) holding the battery tray in the faceplate. Remove the old battery tray.
8. Place the new battery tray through the faceplate and secure it with the two screws (and nuts where required).
9. For the Mk2 107, 122, and Mk1 Model 101/102, strip the red and black wires, cut from the old battery tray, about 1/4" (6 mm). Solder the black wire(s) to the negative terminal on the battery tray, and the red wire to the positive terminal. The terminals are labeled on the tray.

Note: For Model 122 P8 Interface Meters, solder the black wire with brown resistor, to the positive terminal on the battery tray.

10. For the Mk3 107 and Mk2 101/102, use the quick-connect fittings on the red and black wires to connect the black wire to the negative terminal on the battery tray, and the red wire to the positive terminal. The terminals are labeled on the tray.
11. Note the polarity and place the battery in the new battery drawer. The positive terminal of the battery is placed towards the small notch in the end of the drawer.
12. Slide the battery drawer into the battery tray in the faceplate.
13. For the Mk2 107, 122, and Mk1 101/102, reconnect the Molex connector from the faceplate electronics to the tape.
14. For the Mk3 107 and Mk2 101/102, press down on the white terminals on the circuit board and insert the tape/cable leads. Release the terminals and the leads should be secured.

For the 107, the lead on the bottom of the tape (numbers facing up) is inserted into the terminal labelled BOT on the circuit board.

For the 101, the lead on the bottom of the tape (numbers facing up) is inserted into the terminal with a white square below it on the circuit board.

For the Model 102, the positive lead is inserted into the terminal with a white square below it on the circuit board. (The positive lead has the pin connected to insulated wire, the negative pin is connected to the braided wire.)

15. Use the three screws to replace the faceplate back on the reel.
16. **107/101/102:** With the probe in a glass of tap water, turn the Meter 'ON'. If the buzzer or light do not activate, or the Model 107 LCD does not show temperature or conductivity, check the battery connections.

122: With the Probe in a glass of tap water and product, turn the Interface Meter to the 'ON' position. A steady tone and light indicates a product, while an intermittent tone indicates water. If the buzzer or light do not activate, check the battery connections.